

VOLTAGE CONTROLLED OSCILLATOR

SURFACE MOUNT MODEL: DCRO335395-10

OPTIMIZED BANDWIDTH

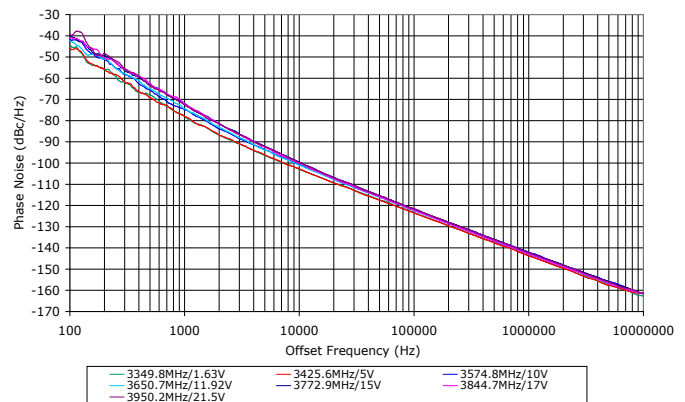
3350 - 3950 MHz

FEATURES:

- ▶ Exceptional Phase Noise Performance
- ▶ Small Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology



Phase Noise



SPECIFICATIONS (Rev. C 05/29/08)

Frequency	3350 - 3950 MHz
Tuning Voltage	See table below.
Bias Voltage	+10 VDC @ 38 mA (Max.)
Output Power	+3 dBm (Min.)
Tuning Sensitivity	14 - 42 MHz/V (Typ.)
Output Impedance	50 Ohms (Nom.)
Harmonic Suppression	28 dB (Typ.)
Frequency Pulling	8 MHz (Typ. @ 1.75:1 VSWR)
Frequency Pushing	3 MHz/V (Typ.)
Tuning Port Capacitance	40 pF (Typ.)
Phase Noise @ 10 kHz	-101 dBc/Hz (Typ.)
Operating Temperature Range	-40 to +85 °C

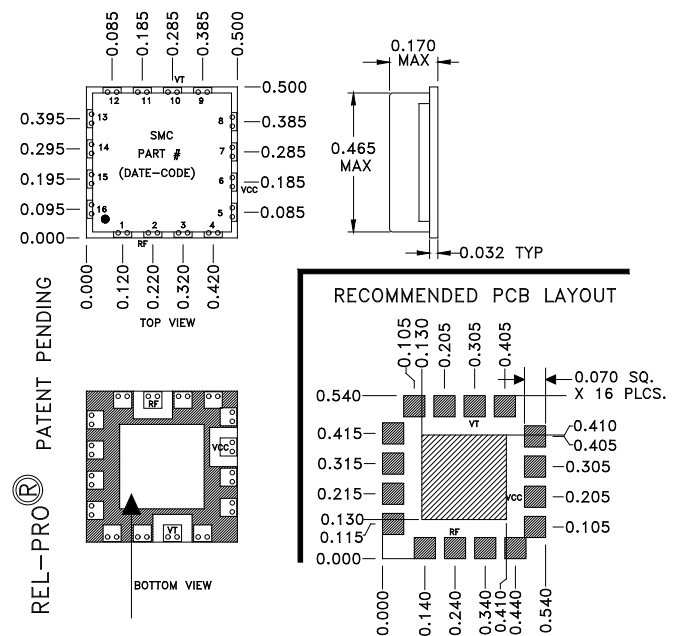
Guaranteed Tuning Specifications

Tuning Voltage (V)	Frequency (MHz)
0.5	3350 (Max)
5	3400 (Min)
8	3450 (Min)
12	3600 (Min)
15	3700 (Min)
18	3800 (Min)
24	3950 (Min)

Absolute Maximum Ratings

Storage Temp. Range	-55 to +125 °C
Bias Voltage	+10.5 V
Tuning Voltage	+28 V
DC Voltage Applied to RF Out	± 25 V

Package # 278LF



This product is manufactured under one or more of the following patents: Approved: 5,180,810; 5,122,621; 5,330,346; 5,416,446; 5,650,754; 5,805,431; 6,325,623; 6,856,573; 7,088,189; 7,180,381; 7,185,591; 7,262,670; 7,265,642; 7,292,113
 Pending: 66/48,307; 66/50,1371 & 66/52,179; 66/52,7957 & 66/53,667; 66/56,3481; 66/56,4173; 66/58,0083; 66/60,1822; 66/60,5791; 66/61,268034; 66/62,3485 & 66/71,0312; 66/73,256073601; 66/73,2737

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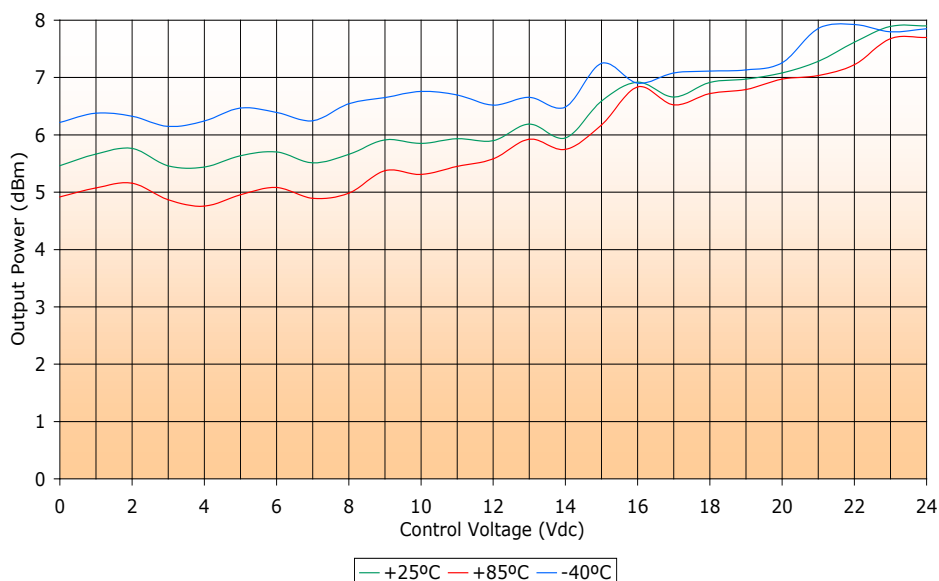
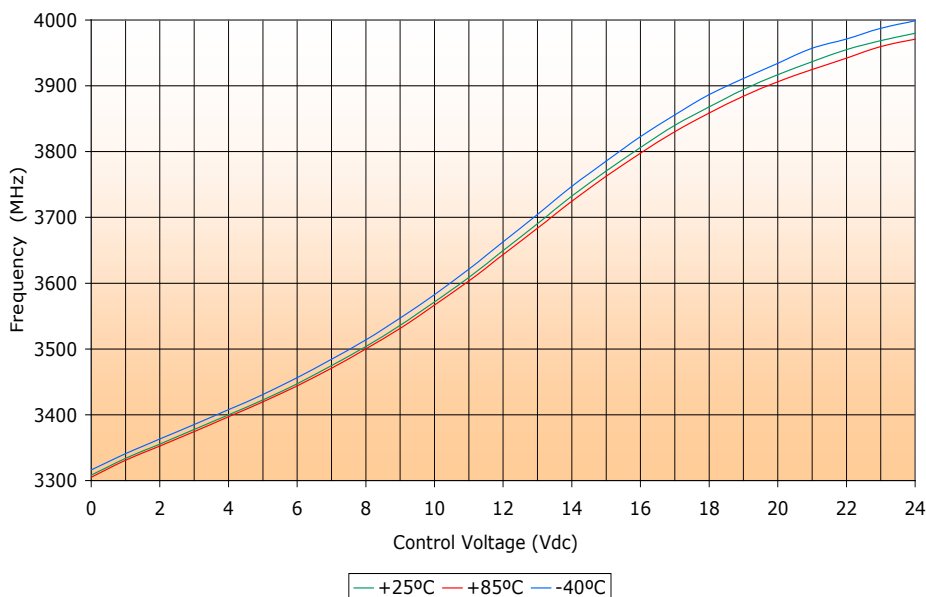
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 Pending: 66/48,307; 66/50,137; 66/58,179; 66/52,793; 66/53,675; 66/56,348; 66/56,417; 66/58,083; 66/60,822; 66/60,579; 66/61,268; 66/61,269; 66/62,485; 66/71,021; 66/73,256; 66/73,691; 66/73,787

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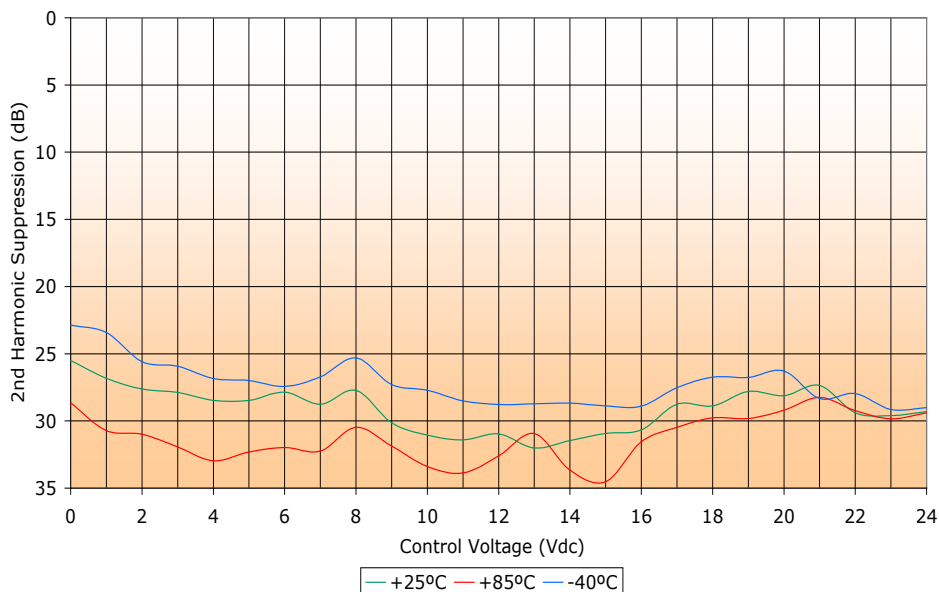
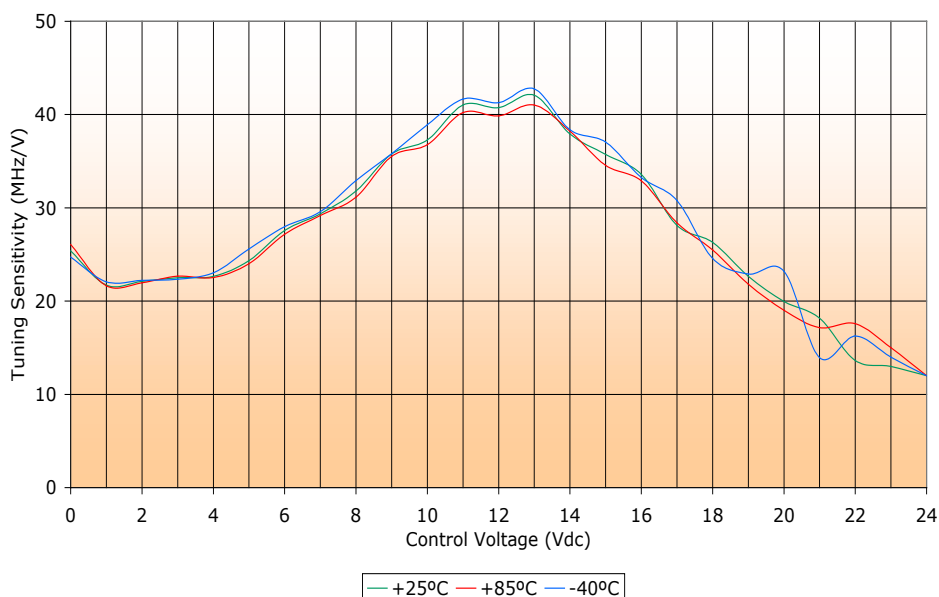
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 Pending: 6,648,307; 6,650,137; 6,658,179; 6,652,795; 6,653,675; 6,653,481; 6,654,173; 6,658,083; 6,665,822; 6,665,791; 6,673,603; 6,673,768; 6,682,485; 6,671,031; 6,673,256; 6,673,601; 6,673,767

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